



Dr. Peter A. Valberg, *Gradient Corporation*

Summary Description of Dr. Valberg's EMF Expertise

Dr. Peter Valberg is Principal at Gradient Corporation, and he was for 25 years a faculty member in the Department of Environmental Health at the Harvard School of Public Health (HSPH). During his full-time tenure at HSPH, Dr. Valberg researched and taught in the areas of toxicology, cell biology, environmental health, and public health. His teaching included Human Physiology, Inhalation Toxicology, Risk Assessment, and Electric and Magnetic Fields / Radio Frequency (EMF / RF) Case Studies. One of Dr. Valberg's several research programs at HSPH was "Magnetic Field Effects on Macrophages," which was supported by the National Cancer Institute.

Dr. Valberg has served on EMF review/advisory panels for the National Institutes of Health (NIH), the Health Effects Institute, and the Environmental Protection Agency. At the Harvard Center for Risk Analysis, Dr. Valberg was a member of the "Harvard Advisory Committee on EMF and Human Health" as well as the "Peer Review Board on Cellular Technology and Human Health." He is a member of the International Society for Environmental Epidemiology, the Health Physics Society, the Bioelectromagnetics Society, and the American National Standards Institute (ANSI) Committee on Man and Radiation (COMAR). Dr. Valberg also serves on the Board of Directors of the Bioelectromagnetics Society.

Dr. Valberg's background includes physics, physiology, and public health expertise. He holds graduate degrees both in physics and human physiology, and he has served on university faculties in both physics and public health. Dr. Valberg is the author of over 80 peer-reviewed articles on environmental health and cell biology, and he advises researchers in the physical phenomena associated with EMF/RF, the relevant biology, and the human epidemiology. Dr. Valberg has directed health risk assessments for municipal health departments, utilities, regulatory agencies, government, and industry on evaluation of potential health effects from exposure to EMF and RF.

Dr. Valberg has been working in the area of EMF health effects for over 14 years. He made presentations at several Bioelectromagnetics Society Annual Conferences (1991, 1992, and 1997), as well as at the EMF Contractors Conference (1993, 1994). Dr. Valberg assisted the Health Effects Institute (Boston, MA) in determining the feasibility of launching an EMF research program, and he published a summary document on "EMF Mechanisms" in the journal *Radiation Research*. At the request of the International Congress on Radiation Research (ICRR), Dr. Valberg organized and chaired a symposium on "*Physical aspects of EMF / RF effects on biological systems*," at the 11th Annual ICRR meeting in Dublin, Ireland (1999). Dr. Valberg helped organize a conference in the Boston area on "*Childhood Leukemia: Electric and Magnetic Fields as Possible Risk Factors*." A summary of this workshop was published (2003) in the journal *Environmental Health Perspectives*.

Dr. Valberg has a Ph.D. degree in Physics from Harvard University, an M.S. degree in Human Physiology from the Harvard School of Public Health, and an A.B. degree *summa cum laude* in Physics and Mathematics from Taylor University (Indiana).

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